

Appendix R

SELF- MONITORING REPORT

JANUARY 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

2005 FEB 28 P 12:27

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR JANUARY 2005 REPORT DUE FEBRUARY 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY J. L. Beuscher

Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

1. Exceeded 16.5 MGD daily flow average on Jan 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 23 and 30 2005.
2. CBOD loading exceeded daily limit for January 16, 2005.
3. On January 11, 2005 Secondary Effluent had overflowed into Escondido Creek for total amount 0.28 million gallons.

Note: High count Total Coliforms, Fecal Coliforms and Enterococci on surf zone water samples collected on January 10, 2005 due to storm water runoff from the San Elijo Lagoon.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

1. Treatment and Discharge capacities exceeded.

The flow for the above dates exceeded permit capacity due to an extreme wet weather event. The HARRF and the City of San Diego coordinated flow rates which entered HARRF treatment plant to prevent raw sewage spill(s) at pump station 77 into Lake Hodges. The City of San Diego's emergency storage pond was used and filled during the

event. HARRF also cooperated with San Elijo Joint Powers Authority to discharge as much flow as possible to the ocean outfall to prevent a discharge to Escondido Creek. All available on and off site of storage was filled prior to execution of the Intermittent Wet Weather Discharge order R-9-2003-0394.

The Collection Department is investigating possible sources of Infiltration and Inflow (I & I) into the collection system. Approximately 1800 manhole inserts (Storm Guards) have been installed in potential I & I areas. They have recently inspected and replaced inserts as needed. A program is in place to purchase and install an additional 250 inserts per year until the entire system has inserts installed. 13 manholes have been identified, in low lying areas, as having an inflow of 1 to 2 gallons per minute. A contractor will be hired to seal these manholes. During extreme wet weather events the Collection Staff inspects the system for I & I. CCTV inspection crews have been concentrating on sewer lines located at creek crossings and low lying areas for I & I.

A letter has been sent to the City of San Diego requesting that they inspect their collection system for I & I.

Order 99-72 is currently up for renewal (Nov. 10, 2004). In the renewal application is a re-rate request. The re-rate, if granted, would increase the rated capacity for the HARRF from 16.5 MGD to 18 MGD.

2. CBOD Daily MER exceeded

The daily mg/L concentration was within discharges limits. However due to the increased daily flow of 1.9 million gallons above permitted flow the daily MER for CBOD loading was in violation.

3. Secondary Effluent discharged to Escondido Creek.

With all on and off site capacity being full and implementation of Intermittent Wet Weather Discharge was in place, flow entering HARRF still exceeded outfall & storage capacity. In order to protect infrastructure (Equalization Basin and Land Outfall Line) 0.28 million gallon of Secondary Treated Effluent was discharged to Escondido Creek. Operationally we experienced a hydraulic problem with the Intermittent Live Stream Discharge piping. We are permitted for 9 MGD of Tertiary water discharge to the creek; the maximum discharge through the piping was 3.5 MGD. Brian Kelley was called and he allowed us to open utility water valves, which is tertiary water, in order to get additional flow to the creek.

We are also in the design stage for additional storage tanks at the HARRF. The project will include a 1 million gallon tank for recycled water and a 2 million gallon tank for secondary effluent. The existing Equalization Basin will be utilized for Brine Storage. The piping configuration will allow for the existing equalization basin and the two new tanks to be utilized for excess flow storage during wet weather events.

available on and off site of storage was filled prior to execution of the Intermittent Wet Weather Discharge order R-9-2003-0394.

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We are also in the design stage for additional storage tanks at the HARRF. The project will include a 1 million gallon tank for recycled water and a 2 million gallon tank for secondary effluent. The existing Equalization Basin will be utilized for Brine Storage. The piping configuration will allow for the existing equalization basin and the two new tanks to be utilized for excess flow storage during wet weather events.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR : January 2005

REPORT DUE : February 2005

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Lab Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Wijk

DATE	FLOW ⁽¹⁾	pH ⁽²⁾
SAMPLE TYPE	CONTINUOUS	DAILY GRAB ⁽³⁾
Units	MGD	pH Units
1/1/2005	14.4	-
2	15.9	-
3	17.2	7.5
4	17.7	7.4
5	17.5	7.4
6	16.7	7.5
7	17.8	7.4
8	18.2	-
9	18.3	-
10	17.5	7.2
11	17.7	7.4
12	18.2	7.3
13	17.6	7.4
14	17.9	7.4
15	18.7	-
16	18.4	-
17	18.2	7.4
18	17.6	7.5
19	17.7	7.4
20	16.8	7.5
21	15.2	7.4
22	16.2	-
23	16.6	-
24	15.9	7.4
25	15.8	7.4
26	15.5	7.2
27	15.8	7.3
28	15.2	7.2
29	16.1	-
30	16.6	-
31	15.3	7.2
Average	16.9	7.4
Maximum	18.7	7.5
Minimum	14.4	7.2
Std. Deviation	1.16	0.10

(1) NOT TO EXCEED 16.5 FOR 30 DAY AVERAGE FLOW

(2) WITH IN LIMITS OF 6.0 TO 9.0

(3) MONDAY TO FRIDAY



SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

March 24, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of February 2005 Monthly Monitoring Reports

Dear Sirs:

Attached are the subject reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by NPDES Permit No. CAO107981, Order No. 99-72.

If you have any questions you may contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script, appearing to read "John Burcham".

John Burcham
HARRF Superintendent

Attached: Monitoring Reports

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

2005 MAR 25 A 11:45

SELF-MONITORING REPORT

FEBRUARY 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: **CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD**
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR FEBRUARY 2005 **REPORT DUE** MARCH 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

Exceeded 16.5 MGD daily flow average on February 11 through 28, 2005.

Note: High count Total Coliforms on surf zone S-5 and S-6 water samples collected on February 14, 2005 due to storm water runoff .

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

Treatment and Discharge capacities exceeded.

The flow for the above dates exceeded permit capacity due to an extreme wet weather event. The HARRF and the City of San Diego coordinated flow rates which entered HARRF treatment plant to prevent raw sewage spill(s) at pump station 77 into Lake Hodges. The City of San Diego's emergency storage pond was used and filled during the event. HARRF also cooperated with San Elijo Joint Powers Authority to discharge as much flow as possible to the ocean outfall to prevent a discharge to Escondido Creek. All available on and off site storage was filled prior to execution of the Intermittent Wet Weather Discharge order R-9-2003-0394.

Order 99-72 is currently up for renewal (Nov. 10, 2004). In the renewal application is a re-rate request. The re-rate, if granted, would increase the rated capacity for the HARRF from 16.5 MGD to 18 MGD. The renewal hearing scheduled on May 11, 2005.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR :February 2005

REPORT DUE : March 2005

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Lab Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Lipton

DATE	FLOW (1)	pH(2)
SAMPLE TYPE	CONTINUOUS	DAILY GRAB(3)
Units	MGD	pH Units
2/1/2005	15.7	7.3
2	14.6	7.3
3	15.4	7.3
4	14.3	7.2
5	15.4	-
6	15.8	-
7	15.6	7.2
8	14.7	7.2
9	15.4	7.2
10	15.5	7.3
11	17.4	7.3
12	19.0	-
13	19.5	-
14	20.0	7.5
15	19.5	7.3
16	16.8	7.3
17	17.1	7.2
18	17.7	7.4
19	18.2	-
20	19.1	-
21	19.3	7.2
22	19.1	7.2
23	19.2	7.2
24	18.7	7.2
25	19.0	7.3
26	19.2	-
27	18.6	-
28	19.1	7.4
Average	17.5	7.3
Maximum	20.0	7.5
Minimum	14.3	7.2
Std. Deviation	1.86	0.09

19.8 = 1207016.5

- (1) NOT TO EXCEED 16.5 FOR 30 DAY AVERAGE FLOW
(2) WITH IN LIMITS OF 6.0 TO 9.0
(3) MONDAY TO FRIDAY



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

April 27, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of March 2005 Monthly Monitoring Reports

Dear Sirs:

Attached are the subject reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by NPDES Permit No. CAO107981, Order No. 99-72.

If you have any questions you may contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script that reads "John Burcham".

John Burcham
HARRF Superintendent

Attached: Monitoring Reports

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2005 MAY -3 P 1:19

SELF-MONITORING REPORT

MARCH 2005

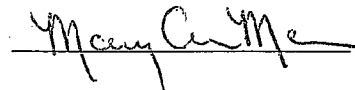
CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2005 MAY -3 PM 1:19

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR MARCH 2005 REPORT DUE APRIL 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY John Beuchan

Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

Two violations occurred in the month of March for

1. Discharge exceeded 16.5 MGD daily flow average on MARCH 1 through 8, 2005.
2. No oil & grease sample monitored for March.

Note: High count Total Coliforms on surf zone S-7 water samples collected on MARCH 7, 2005 due to storm water runoff.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

1. Discharge capacities exceeded daily flow average due to wet weather event. Order 99-72 is currently up for renewal (Nov. 10, 2004). In the renewal application is a re-rate request. The re-rate, if granted, would increase the rated capacity for the HARRF from 16.5 MGD to 18 MGD. The renewal hearing scheduled on May 11, 2005.
2. No oil & grease sample for March due to miscommunication between Laboratory personnel. A monthly check list has been generated to prevent future error.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR : March 2005

REPORT DUE : April 2005

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Lab Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Hipt

DATE	FLOW (1)	pH(2)
SAMPLE TYPE	CONTINUOUS	DAILY GRAB(3)
Units	MGD	pH Units
3/1/2005	18.4	7.3
2	17.6	7.5
3	17.5	7.4
4	17.4	7.4
5	17.6	-
6	18.3	-
7	17.5	7.4
8	17.0	7.3
9	16.5	7.4
10	15.8	7.3
11	16.1	7.3
12	16.1	-
13	16.7	-
14	16.1	7.4
15	15.6	7.3
16	15.7	7.3
17	15.4	7.3
18	14.8	7.3
19	15.7	-
20	15.8	-
21	15.6	7.2
22	15.5	7.3
23	15.7	7.3
24	15.4	7.3
25	15.6	7.2
26	15.5	-
27	15.7	-
28	16.1	7.2
29	15.9	7.2
30	15.7	7.2
31	15.4	7.2
Average	16.2	7.3
Maximum	18.4	7.5
Minimum	14.8	7.2
Std. Deviation	0.94	0.08

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(1) NOT TO EXCEED 16.5 FOR 30 DAY AVERAGE FLOW

(2) WITH IN LIMITS OF 6.0 TO 9.0

(3) MONDAY TO FRIDAY